Page 58, line 3, after first occurrence "the" insert --amount of--; after "data" delete "amount";

line 15, after "the" insert --amount of--;

line 16, delete "amount"; and

line 17, delete "large" and insert therefor --great--.

Page 60, line 1, after "because" delete "of"; and

line 2, delete "suppressed" and insert therefor --reduced--.

Page 61, line 3, delete "(h) Others:".

IN THE CLAIMS:

Amend claims 1-5, 7-11, 14-17 to read as follows:

1. (Amended) A radio communications system comprising:

an intermittent power-on type mobile station for shifting to a power-on state [in synchronous] synchronously with a [receiving] received timing of a beacon signal, with a fixed period of time after the beacon signal has been received being a data receive-ready period; and

a base station for emanating [regularly] a beacon signal to said intermittent power-on type mobile station and communicating with said intermittent power-on type mobile station by radio while said intermittent power-on type mobile station is controlled;

said base station preferentially transmitting data to the intermittent power-on type mobile station over a normal mobile station in a normally power-on state when the data to be

transmitted to said intermittent power-on type mobile station exists [duration] during said data receive-ready period of said intermittent power-on type mobile station.

2. (Amended) A radio communications system comprising:

an intermittent power-on type mobile station for shifting to a power-on state [in synchronous] synchronously with a [receiving] received timing of a beacon signal, with a fixed period of time after the beacon signal has been received being a data [receive-ready] receive-ready period; and

a base station for emanating [regularly] a beacon signal to said intermittent power-on type mobile station and communicating with said intermittent power-on type mobile station by radio while said intermittent power-on type mobile station is controlled;

said base station reporting as time extension information that data must be received beyond said data receive-ready period, to said intermittent power-on type mobile station, when said data is transmitted continuously beyond said data receive-ready period of said intermittent power-on type mobile station;

said intermittent power-on type mobile station sustaining its power-on state [till] until all pieces of data transmitted continuously from said base station are received when said intermittent power-on type mobile station has received said time extension information from said base station.

3. (Amended) A radio communications system comprising:

an intermittent power-on type mobile station for shifting to a power-on state [in synchronous] synchronously with a [receiving] received timing of a beacon signal, with a fixed period of time after the beacon signal has been received being a data receive-ready period; and

a base station for emanating [regularly] a beacon signal to said intermittent power-on type mobile station and communicating with said intermittent power-on type mobile station by radio while said intermittent power-on type mobile station is controlled;

said base station previously reporting [previously] transmission information regarding data to be transmitted to said intermittent power-on type station during the data receive-ready period of said intermittent power-on type mobile station, to said intermittent power-on type mobile station, and transmitting said data within a predetermined period of time after a completion of said data receive-ready period when data included in said transmission data cannot be transmitted during said data receive-ready period;

said intermittent power-on type mobile station sustaining its power-on state when data included said transmission data previously reported from said base station, and then extending said data receive-ready period by said predetermined period of time.

A1 Cont-

4. (Amended) The radio communications system according to claim 3, wherein said intermittent power-on type mobile station shifts to its power supply [halt] turn-off state at the time when all pieces of data included in said transmission information have been received within a predetermined period of time from a completion of said data receive-ready period.

5. (Amended) A radio communications system comprising:

an intermittent power-on type mobile station for shifting to a power-on state [in synchronous] synchronously with a [receiving] received timing of a beacon signal, with a fixed period of time after the beacon signal has been received being a data receive-ready period; and

a base station for emanating [regularly] a beacon signal to said intermittent power-on type mobile station and communicating with said intermittent power-on type mobile station by radio while said intermittent power-on type mobile station is controlled;

said base station varying an emanation interval of said beacon signal to said intermittent power-on type mobile station according to a transmission data amount to said intermittent power-on type mobile station;

said intermittent power-on type station varying a receiving timing of the beacon signal which shifts to its power-on state, according to said emanation interval.

7. (Amended) The radio communications system according to claim 5, wherein said base station [spreads] expands said [emanating] emanation interval when said transmission data amount reduces.

8. (Amended) A base station in a radio communications system wherein said base station emanates a beacon signal to an intermittent powered-on type mobile station at [regular] intervals and communicates with said intermittent power-on type mobile station by radio while controlling said intermittent power-on type mobile station, in said radio communications system;

said communications systems accommodating said intermittent power-on type mobile station which shifts to its power-on state [in synchronous] synchronously with a [receiving] received timing of said beacon signal, with a constant period of time after a reception of said beacon signal being a data receive-ready period; said base station comprising a priority transmitting means for preferentially transmitting said data over transmission data for a normal mobile station in a normally powered-on state when said data to be transmitted to said intermittent power-on type mobile station exists during said data receive-ready period of said intermittent power-on type mobile station.

A2 sub E4

9. (Amended) A base station in a radio communications system wherein said base station emanates a beacon signal to an intermittent power-on type mobile station at [regular] intervals and communicates with said intermittent power-on type mobile station by radio while controlling said intermittent power-on mobile station, in said radio communications system; said communications system accommodating said intermittent power-on type mobile station which shifts to its power-on state [in synchronous] synchronously with a [receiving] received timing of said beacon signal, with a constant period of time after a reception of said beacon signal being a data receive-ready period; said base station comprising time extension reporting means for reporting as time extension information that data must be received beyond said data receive-ready period, to the intermittent power-on type mobile station, when data is transmitted continuously beyond said data receive-ready period of said intermittent power-on type mobile station.

10. (Amended) A base station in a radio communications system wherein said base station emanates a beacon signal to an intermittent power-on type mobile station at regular intervals and communicates with said intermittent power-on type mobile station by radio while controlling said intermittent power-on type mobile station, in said radio communications system; said communications system accommodating said intermittent power-on type mobile station which shifts to its power-on state [in synchronous] synchronously with a [receiving] received timing of said beacon signal, with a constant period of time after a reception of said beacon signal being a data receive-ready period; said base station comprising:

transmission information reporting means for previously reporting transmission data regarding data to be transmitted to said intermittent power-on type mobile station, to said intermittent power-on type mobile station, during said data receive-ready period of said intermittent power-on type mobile station; and

overtime transmitting means for transmitting said data within a predetermined period of time after a completion of said data receive-ready period when data included in said transmission information cannot be transmitted during said data receive-ready period.

11. (Amended) A base station in a radio communications system wherein said base station emanates a beacon signal to an intermittent power-on type mobile station at regular intervals and communicates with said intermittent power-on type mobile station by radio while controlling said intermittent power-on type mobile station, in said radio communications system; said communications system accommodating said intermittent power-on type mobile station

which shifts to its power-on state [in synchronous] synchronously with a [receiving] received timing of said beacon signal, with a constant period of time after a reception of said beacon signal being a data receive-ready period; said base station comprising:

beacon signal emanation interval varying means for varying the emanation interval of said beacon signal to said intermittent power-on type mobile station according to a transmission data amount of said intermittent power-on type mobile station.

14. (Amended) An intermittent power-on type mobile station which shifts to its power-on state in synchronous with a [receive] received timing of a beacon signal emanated regularly from a base station, with a constant period after a reception of said beacon signal being a data receive-ready period, comprising:

power supply control means for sustaining its power-on state [till] until all pieces of data continuously transmitted from said base station are received when time extension information regarding that data must be received beyond said data receive-ready period has been received from said base station, and then extending said data receive-ready period.

15. (Amended) An intermittent power-on type mobile station which shifts to its power-on state [in synchronous] synchronously with a [receiving] received timing of a beacon signal emanated regularly from a base station, with a constant period after a reception of said beacon signal being a data receive-ready period, comprising:

power supply control means for previously reporting [previously] transmission information regarding data to be transmitted from said base station during said data receive-ready period, from said base station, and then sustaining its power-on state when data included in said transmission information cannot be received during said data receive-ready period so as to extend said data receive-ready period by a predetermined period of time.

16. (Amended) The intermittent power-on type mobile station according to claim 15, wherein said power supply control means [halts] turns off its power supply operation at the time when all pieces of data included in said transmission data have been received within said predetermined period of time after a completion of said data receive-ready period.

17. (Amended) An intermittent power-on type mobile station which shifts to its powered-on states [in synchronous] synchronously with a [receiving] received timing of a beacon signal emanated regularly from a base station, with a constant period after a reception of said beacon signal being a data receive-ready period, comprising:

beacon signal receive timing varying means for varying the beacon signal receive timing which shifts to its power-on state according to an emanation interval when the emanation interval of said beacon signal is varied according to a transmission data amount in said base station.